

USSN 09/855,403  
Amendment responsive to Office Action mailed on March 18, 2005  
June 20, 2005  
A-1669

**Amendments to the Claims :**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims :**

1. (Original) An aerosol enhancement device, comprising:  
a mouthpiece;  
a spacer member fluidly attached to said mouthpiece, said spacer member having interior walls which define an interior volume, said interior volume comprising a mixing chamber;  
an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said mixing chamber; and  
an air inlet port disposed in said spacer member for receiving air into said air passage;  
wherein the mixing chamber is generally octagonal in configuration.
2. (Original) The aerosol enhancement device as recited in Claim 1, and further comprising an exhaust port in said mouthpiece.
3. (Original) The aerosol enhancement device as recited in Claim 2, and further comprising a one-way valve in said exhaust port.
4. (Original) The aerosol enhancement device as recited in Claim 3, wherein said one-way valve comprises a flap valve.
5. (Original) The aerosol enhancement device as recited in Claim 2, and further comprising an exhalation filter in said exhaust port.

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6. (Original) The aerosol enhancement device as recited in Claim 1, and further comprising a one-way valve disposed in said air inlet port.

7. (Previously Amended) The aerosol enhancement device as recited in Claim 1, and further comprising an adapter disposed in said inlet port for receiving a medicated aerosol, said adapter comprising a universal fitting which is capable of attaching said spacer member to either a nebulizer or a metered dose inhaler (MDI).

8. (Original) The aerosol enhancement device as recited in Claim 7, wherein said adapter is reversible, being disposable in a first orientation for attachment of said spacer member to a nebulizer, and being disposable in a second orientation for attachment of said spacer member to an MDI.

9. (Previously Amended) The aerosol enhancement device as recited in Claim 1, wherein the inlet port for receiving a medicated aerosol and the air inlet port are interchangeable.

10. (Currently Amended) An aerosol enhancement device, comprising:  
a mouthpiece;  
a spacer member fluidly attached to said mouthpiece via a mouthpiece port, said spacer member having an outer body which defines an interior volume;  
an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said interior volume; and  
an adapter associated with said inlet port for receiving a medicated aerosol, said adapter comprising a universal fitting which is capable of attaching said spacer member to either a nebulizer or a metered dose inhaler (MDI);  
wherein said adapter is reversible, being disposable in a first orientation for attachment of said spacer member to a nebulizer, and being disposable in a second orientation for attachment of said spacer member to an MDI;

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said adapter comprising a first rigid connector end and a second flexible connector end, said first rigid connector end being adapted for attachment to a nebulizer and said second flexible connector end being adapted for attachment to an MDI.

11. (Canceled)

12. (Canceled)

13. (Presently Amended) The aerosol enhancement device as recited in Claim 10, ~~12~~, said adapter further comprising a flange portion for engaging said adapter with said spacer member.

14 - 21. (Canceled)

22. (Previously Added) An aerosol enhancement device, comprising:

a mouthpiece;

a spacer member fluidly attached to said mouthpiece, said spacer member having a plurality of interior walls which define an interior volume, said interior volume comprising a mixing chamber;

an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said mixing chamber; and

an air inlet port disposed in said spacer member for receiving air into said air passage;

wherein said interior walls comprise generally planar wall segments and respective ends of each of said wall segments are joined to one another at acute angles to form said interior volume.

23. (Previously Added) The aerosol enhancement device as recited in Claim 22, wherein said spacer member comprises eight of said wall segments, such that said mixing chamber is generally octagonal in configuration.

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24. (Currently Amended) An aerosol enhancement device, comprising:  
a mouthpiece;  
a spacer member fluidly attached to said mouthpiece via a mouthpiece port, said spacer member having an outer body which defines an interior volume;  
an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said interior volume; and  
an adapter associated with said inlet port for receiving a medicated aerosol, said adapter comprising a universal fitting which is capable of attaching said spacer member to either a nebulizer or a metered dose inhaler (MDI), said adapter comprising a first rigid connector end ~~and~~ a second flexible connector ~~end~~, and an engagement flange disposed between said first rigid connector end and said second flexible connector end, said engagement flange being adapted to engage inner sidewalls of said spacer member outer body.

25. (Canceled)

26. (Currently Amended) The aerosol enhancement device as recited in Claim 24  
25, wherein said first rigid connector end is tubular.

27. (Currently Amended) The aerosol enhancement device as recited in Claim 24  
25, wherein said second flexible connector end comprises a pliable boot connector.

28 - 31. (Canceled)